

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

At page 4, line 9:

[The 1st invention] One aspect of the present invention is an optical disk apparatus comprising:

At page 5, line 1:

[The 2nd invention] Another aspect of the present invention is an optical disk apparatus [according to 1st invention], wherein said predetermined rule is expressed by the following Equation 1

At page 5, line 9:

[The 3rd invention] Still another aspect of the present invention is an optical disk apparatus [according to 2nd invention], wherein said detecting means can detect said disk tilt DT.

At page 5, line 12:

[The 4th invention] Yet still another aspect of the present invention is an optical disk apparatus [according to 3rd invention] comprising optical head driving means of driving said optical head within the cross section in a radius direction of said optical disk on the basis of the result of said detection of said disk tilt DT, wherein

At page 5, line 20:

[The 5th invention] Still yet another aspect of the present invention is an optical disk apparatus [according to 2nd invention], wherein:

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At page 6, line 7:

[The 6th invention] A further aspect of the present invention is an optical disk apparatus [according to 5th invention], wherein:

At page 6, line 17:

[The 7th invention] A still further aspect of the present invention is an optical disk apparatus [according to 2nd invention], wherein:

At page 7, line 9:

[The 8th invention] A yet further aspect of the present invention is an optical disk apparatus [according to 7th invention], wherein:

At page 7, line 22:

[The 9th invention] A still yet further aspect of the present invention is an optical disk apparatus [according to 1st invention], wherein said tracking error signal is detected in the mirror region of said optical disk.

At page 8, line 1:

[The 10th invention] An additional aspect of the present invention is an optical disk apparatus [according to 3rd or 7th inventions], wherein said tracking error signal is detected by detecting the average level of said tracking error signal in the OFF-state of tracking control in the data region in the vicinity of the disk radius position of said optical disk where said disk tilt DT or said lens tilt LT is detected.

At page 8, line 8:

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[The 11th invention] A still additional aspect of the present invention is an optical disk apparatus [according to 1st invention] comprising conveying means of conveying said optical head in a radius direction of said optical disk on the basis of said calculated lens shift LS.

At page 8, line 13:

[The 12th invention] A yet additional aspect of the present invention is a method of calculating the amount of lens shift comprising:

At page 9, line 5:

[The 13th invention] A still yet additional aspect of the present invention is a program for causing a computer to serve as all or part of said tracking error signal generating means, said detecting means, and said calculating means of said optical disk apparatus [according to 1st, 2nd, 9th or 11th inventions].

At page 9, line 10:

[The 14th invention] A supplementary aspect of the present invention is a program for causing a computer to carry out all or part of said generating step, said disk tilt detecting step, and said calculating step of said method of calculating the amount of lens shift [according to 12th invention].

At page 9, line 15:

[The 15th invention] A still supplementary aspect of the present invention is a computer-processable medium carrying a program for causing a computer to serve as all or part of said tracking error signal generating means, said detecting means, and said calculating means of said optical disk apparatus [according to 1st, 2nd, 9th or 11th inventions].

At page 9, line 21:

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[The 16th invention] A yet supplementary aspect of the present invention is a computer-processable medium carrying a program for causing a computer to carry out all or part of said generating step, said disk tilt detecting step, and said calculating step of said method of calculating the amount of lens shift [according to 12th invention].

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